

ABSTRACT

Method and arrangement for manufacturing core composite layer workpieces (sandwich structures) from at least one first and at least one second cover sheet (1, 2) between which a core sheet (30) including especially short cut fibers (9) is provided, are disclosed with which a continuous and substantially break free manufacture can be conducted which leads to composite layer structures with reasonable costs. Single manufacturing parameters can specifically be varied with different embodiments so that in a relatively simple manner composite layer structures with desired physical properties can be obtained, for example with respect to their strength, stiffness, flexibility, mechanical and acoustic absorption capabilities, working properties, and so on. Composite layer structures for new applications can be manufactured as well.